



OIPE

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/089,862

DATE: 04/06/2004

TIME: 12:17:21

Input Set : A:\1321.2.34_Sequence Listing.ST25.txt
 Output Set: N:\CRF4\04062004\J089862.raw

3 <110> APPLICANT: Jones, David
 4 Manos, Elizabeth
 6 <120> TITLE OF INVENTION: TRDL-1 gamma, A NOVEL TUMOR NECROSIS-LIKE LIGAND
 8 <130> FILE REFERENCE: 1321.2.34
 C--> 10 <140> CURRENT APPLICATION NUMBER: US/10/089,862
 C--> 10 <141> CURRENT FILING DATE: 2002-04-02
 10 <150> PRIOR APPLICATION NUMBER: 60/157,913
 11 <151> PRIOR FILING DATE: 1999-10-06
 13 <160> NUMBER OF SEQ ID NOS: 5
 15 <170> SOFTWARE: PatentIn version 3.1
 17 <210> SEQ ID NO: 1
 18 <211> LENGTH: 1607
 19 <212> TYPE: DNA
 20 <213> ORGANISM: Homo sapiens
 22 <400> SEQUENCE: 1
 23 cctaatttctc ctgaggctga gggagggtgg agggtctcaa ggcaacgctg gccccacgac 60
 25 ggagtgcac gggactaac agtaccctta gcttgcattt ctcctccctc ctttttattt 120
 27 tcaagttctt ttttattttt ctttgcgtaa caacccctttt cccttctgcg ccactgcccc 180
 29 tacccttacc cgcggccca cctcccttgc accccaactt tggaaaccaca gctgttggca 240
 31 gggccccccag ctcatgcac cctcatctcc ttttgcgtaa gccccccaaag ggcctccagg 300
 33 caacatgggg ggcccagtcgagagccggc actctcgtt gcccctctggg tgagtgggg 360
 35 ggcagctcg gggggcggtgg ctttgcgtt ggctctgtt accccaacaaa cagagctgca 420
 37 gagcctcagg agagagggtga gcccggctgca gggggacagga gggccctccca agaatggga 480
 39 agggtatccc tggcagatc tcccgaggac gatgttccat gccccttggaa ccttggagaa 540
 41 tggggagaga tcccgaaata gggagacgt gctcaccacaa aaacagaaga agcagcactc 600
 43 tgcctgcac ctgtttccca ttaacggccac ctcggaaaggat gactccgtat tgacagaggt 660
 45 gatgtggcaa ccagctctta ggcgtggag aggccatcag gcccacaggat atgggttccg 720
 47 aatccaggat gctggatgtt atctgcgtt tagccaggat ctgtttcaag acgtgacttt 780
 49 caccatgggt cagggtgtt ctcggaaagg ccaaggaaagg caggagactc tattccatg 840
 51 tataagaagt atgcctccc accccggaccc ggcctacaaac agctgtata ggcaggtgt 900
 53 cttccattta caccatgggg atattctgag tgcataatt ccccccggcaaa gggcgaaact 960
 55 taacctctt ccacatggaa ctttccgtgg actttgattt tgcgtatattt ttgtttctgt 1020
 57 tccccatgga gtcggaaatt ctttgcgtgt tgcgtatggag gggcgggggca cggcgccag 1080
 59 gcatgttca gacgttgcg gggcccaactt gaaatggatcca gaaacagcacc accatctac 1140
 61 ggcgcgtcga gggaaaccc ggcgtggatgg cggaaatccca cgaaggccgc ctctgttgg 1200
 63 gaaaacccct ggttctccat ggcacaccc ttcggatgtt ccctctgcct ctttccatcc 1260
 65 caagaaggct tattctacgt ctttctctcc atctatcgaa ccccaatgttcc catcaatc 1320
 67 tccagagatg tagtattat ggcggccgtt acagggttgg cccggatgtt acgggtgcctt 1380
 69 cgcagtcaat ttactcttcg ggtcccaagg tttgggttcc acgcgttccca ttggccggc 1440
 71 gtggcaggcc attccaaggc cttccgggtt ggaactgggtt tcggaggagc ctcgggttta 1500
 73 tcgtacccc tgggtttgtt gttgcctcac tcctctggat tcttctttctt gatcaagccc 1560
 75 tgcttaaaat taaataaaat agaatgaatg ataaaaaaaaaaaaaaa 1607
 78 <210> SEQ ID NO: 2

Does Not Comply
 Corrected Diskette Needed
 (P5.4)

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/089,862

DATE: 04/06/2004
TIME: 12:17:21

Input Set : A:\1321.2.34.Sequence Listing.ST25.txt
Output Set: N:\CRF4\04062004\J089862.raw

79 <211> LENGTH: 247
80 <212> TYPE: PRT
81 <213> ORGANISM: Homo sapiens
83 <400> SEQUENCE: 2
85 Met Pro Ala Ser Ser Pro Phe Leu Leu Ala Pro Lys Gly Pro Pro Gly
86 1 5 10 15
89 Asn Met Gly Gly Pro Val Arg Glu Pro Ala Leu Ser Val Ala Leu Trp
90 20 25 30
93 Leu Ser Trp Gly Ala Ala Leu Gly Ala Val Ala Cys Ala Met Ala Leu
94 35 40 45
97 Leu Thr Gln Gln Thr Glu Leu Gln Ser Leu Arg Arg Glu Val Ser Arg
98 50 55 60
101 Leu Gln Gly Thr Gly Gly Pro Ser Gln Asn Gly Glu Gly Tyr Pro Trp
102 65 70 75 80
105 Gln Ser Leu Pro Glu Gln Ser Ser Asp Ala Leu Glu Ala Trp Glu Asn
106 85 90 95
109 Gly Glu Arg Ser Arg Lys Arg Arg Ala Val Leu Thr Gln Lys Gln Lys
110 100 105 110
113 Lys Gln His Ser Val Leu His Leu Val Pro Ile Asn Ala Thr Ser Lys
114 115 120 125
117 Asp Asp Ser Asp Val Thr Glu Val Met Trp Gln Pro Ala Leu Arg Arg
118 130 135 140
121 Gly Arg Gly Leu Gln Ala Gln Gly Tyr Gly Val Arg Ile Gln Asp Ala
122 145 150 155 160
125 Gly Val Tyr Leu Leu Tyr Ser Gln Val Leu Phe Gln Asp Val Thr Phe
126 165 170 175
129 Thr Met Gly Gln Val Val Ser Arg Glu Gly Gln Gly Arg Gln Glu Thr
130 180 185 190
133 Leu Phe Arg Cys Ile Arg Ser Met Pro Ser His Pro Asp Arg Ala Tyr
134 195 200 205
137 Asn Ser Cys Tyr Ser Ala Gly Val Phe His Leu His Gln Gly Asp Ile
138 210 215 220
141 Leu Ser Val Ile Ile Pro Arg Ala Arg Ala Lys Leu Asn Leu Ser Pro
142 225 230 235 240
145 His Gly Thr Phe Leu Gly Leu
146 245
149 <210> SEQ ID NO: 3
150 <211> LENGTH: 15
151 <212> TYPE: PRT
152 <213> ORGANISM: Artificial
154 <220> FEATURE:
155 <223> OTHER INFORMATION: Synthetic peptide
157 <400> SEQUENCE: 3
159 Cys Pro Ile Asn Ala Thr Ser Lys Asp Asp Ser Asp Val Thr Glu
160 1 5 10 15
163 <210> SEQ ID NO: 4
164 <211> LENGTH: 250
165 <212> TYPE: PRT
166 <213> ORGANISM: Homo sapiens

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/089,862DATE: 04/06/2004
TIME: 12:17:21Input Set : A:\1321.2.34_Sequence Listing.ST25.txt
Output Set: N:\CRF4\04062004\J089862.raw

168 <400> SEQUENCE: 4

170 Met Pro Ala Ser Ser Pro Phe Leu Leu Ala Pro Lys Gly Pro Pro Gly
171 1 5 10 15

174 Asn Met Gly Gly Pro Val Arg Glu Pro Ala Leu Ser Val Ala Leu Trp
175 20 25 30

178 Leu Ser Trp Gly Ala Ala Leu Gly Ala Val Ala Cys Ala Met Ala Leu
179 35 40 45

182 Leu Thr Gln Gln Thr Glu Leu Gln Ser Leu Arg Arg Glu Val Ser Arg
183 50 55 60

186 Leu Gln Gly Thr Gly Gly Pro Ser Gln Asn Gly Glu Gly Tyr Pro Trp
187 65 70 75 80

190 Gln Ser Leu Pro Glu Gln Ser Ser Asp Ala Leu Glu Ala Trp Glu Asn
191 85 90 95

194 Gly Glu Arg Ser Arg Lys Arg Arg Ala Val Leu Thr Gln Lys Gln Lys
195 100 105 110

198 Lys Gln His Ser Val Leu His Leu Val Pro Ile Asn Ala Thr Ser Lys
199 115 120 125

202 Asp Asp Ser Asp Val Thr Glu Val Met Trp Gln Pro Ala Leu Arg Arg
203 130 135 140

206 Gly Arg Gly Leu Gln Ala Gln Gly Tyr Gly Val Arg Ile Gln Asp Ala
207 145 150 155 160

210 Gly Val Tyr Leu Leu Tyr Ser Gln Val Leu Phe Gln Asp Val Thr Phe
211 165 170 175

214 Thr Met Gly Gln Val Val Ser Arg Glu Gly Gln Gly Arg Gln Glu Thr
215 180 185 190

218 Leu Phe Arg Cys Ile Arg Ser Met Pro Ser His Pro Asp Arg Ala Tyr
219 195 200 205

222 Asn Ser Cys Tyr Ser Ala Gly Val Phe His Leu His Gln Gly Asp Ile
223 210 215 220

226 Leu Ser Val Ile Ile Pro Arg Ala Arg Ala Lys Leu Asn Leu Ser Pro
227 225 230 235 240

230 His Gly Thr Phe Leu Gly Phe Val Lys Leu
231 245 250

234 <210> SEQ ID NO: 5

235 <211> LENGTH: 234

236 <212> TYPE: PRT

237 <213> ORGANISM: Homo sapiens

239 <400> SEQUENCE: 5

241 Met Pro Ala Ser Ser Pro Phe Leu Leu Ala Pro Lys Gly Pro Pro Gly
242 1 5 10 15

245 Asn Met Gly Gly Pro Val Arg Glu Pro Ala Leu Ser Val Ala Leu Trp
246 20 25 30

249 Leu Ser Trp Gly Ala Ala Leu Gly Ala Val Ala Cys Ala Met Ala Leu
250 35 40 45

253 Leu Thr Gln Gln Thr Glu Leu Gln Ser Leu Arg Arg Glu Val Ser Arg
254 50 55 60

257 Leu Gln Gly Thr Gly Gly Pro Ser Gln Asn Gly Glu Gly Tyr Pro Trp
258 65 70 75 80

261 Gln Ser Leu Pro Glu Gln Ser Ser Asp Ala Leu Glu Ala Trp Glu Asn

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/089,862DATE: 04/06/2004
TIME: 12:17:21Input Set : A:\1321.2.34.Sequence Listing.ST25.txt
Output Set: N:\CRF4\04062004\J089862.raw

| | | | |
|-----|---|-----|-----|
| 262 | 85 | 90 | 95 |
| 265 | Gly Glu Arg Ser Arg Lys Arg Arg Ala Val Leu Thr Gln Lys Gln Lys | | |
| 266 | 100 | 105 | 110 |
| 269 | Asn Asp Ser Asp Val Thr Glu Val Met Trp Gln Pro Ala Leu Arg Arg | | |
| 270 | 115 | 120 | 125 |
| 273 | Gly Arg Gly Leu Gln Ala Gln Gly Tyr Gly Val Arg Ile Gln Asp Ala | | |
| 274 | 130 | 135 | 140 |
| 277 | Gly Val Tyr Leu Leu Tyr Ser Gln Val Leu Phe Gln Asp Val Thr Phe | | |
| 278 | 145 | 150 | 155 |
| 281 | 160 | 165 | 170 |
| 282 | Thr Met Gly Gln Val Val Ser Arg Glu Gly Gln Gly Arg Gln Glu Thr | | |
| 285 | 175 | 180 | 185 |
| 286 | Leu Phe Arg Cys Ile Arg Ser Met Pro Ser His Pro Asp Arg Ala Tyr | | |
| 289 | 190 | 195 | 200 |
| 290 | Asn Ser Cys Tyr Ser Ala Gly Val Phe His Leu His Gln Gly Asp Ile | | |
| 293 | 205 | 210 | 215 |
| 294 | Leu Ser Val Ile Ile Pro Arg Ala Arg Ala Lys Leu Asn Leu Ser Pro | | |
| 297 | 220 | 225 | 230 |
| 298 | His Gly Thr Phe Leu Gly Phe Val Lys Leu | | |
| 304 | Page 1 | | |

delete

RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/10/089,862

DATE: 04/06/2004
TIME: 12:17:22

Input Set : A:\1321.2.34 Sequence Listing.ST25.txt
Output Set: N:\CRF4\04062004\J089862.raw

Invalid <213> Response:

Use of "Artificial" only as "<213> Organism" response is incomplete,
per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:3

VERIFICATION SUMMARY
PATENT APPLICATION: US/10/089,862

DATE: 04/06/2004
TIME: 12:17:22

Input Set : A:\1321.2.34 Sequence Listing.ST25.txt
Output Set: N:\CRF4\04062004\J089862.raw

L:10 M:270 C: Current Application Number differs, Replaced Current Application No
L:10 M:271 C: Current Filing Date differs, Replaced Current Filing Date